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May 11, 1988

DERWENT-ACC-NO: 1988-271571

DERWENT-WEEK: 198839

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TITLE: Prepn. off alcohol(s) from synthesis gas on catalyst - contg. copper, zinc and alumina oxide(s) ground with metallic copper in reactor with lower catalyst layer having low copper content

INVENTOR: BECKER, K; DERDULLA, H J ; HAFTENDORN, M ; KOHL, G ; MEYE, H ; MULLER, H ; STOSS, W ; SUPTITZ, H

PATENT-ASSIGNEE:

ASSIGNEE

CODE

VEB LEUNA-WERKE ULBRICHT W

VELW

PRIORITY-DATA: 1986DD-0298837 (December 30, 1986)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>DD 256515 A</u>	May 11, 1988		003	

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
DD 256515A	December 30, 1986	1986DD-0298837	

INT-CL (IPC): B01J 23/80; C07C 29/15

ABSTRACTED-PUB-NO: DD 256515A

BASIC-ABSTRACT:

Alcohols, esp. a mixt. of 1-5C alcohols, are prepd. from synthesis gas, at 7 MPa and 553-573 deg.K, in a high pressure reactor, using a CuO/ZnO/Al<sub>2</sub>O<sub>3</sub> catalyst precursor which has been ground with 0.1-10 wt% of metallic Cu, to grain size 1-5 microns, and then tabletted. The upper third of the layer in the reactor contains a catalyst with high content of metallic Cu, and the lower third comprises a catalyst with low content of Cu powder.

The catalyst precursor has been ground with 1-5 wt% of metallic Cu powder. The upper third of the catalyst layer is a catalyst with 3-10 (4-6) wt% of metallic Cu, and the lower third contains 0.1-3 (1-2) wt% of Cu powder.

ADVANTAGE - Space/time yield is better, and the catalyst has long life.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: PREPARATION ALCOHOL SYNTHESIS GAS CATALYST CONTAIN COPPER ZINC ALUMINA OXIDE GROUND METALLIC COPPER REACTOR LOWER CATALYST LAYER LOW COPPER CONTENT

DERWENT-CLASS: E17 J04

CPI-CODES: E10-E04E; J04-E01; N01-A01; N01-C01; N02-D01; N03-F;

CHEMICAL-CODES:

Chemical Indexing M3 \*01\*

Fragmentation Code

H4 H401 H481 H8 M210 M211 M212 M213 M214 M215  
M231 M232 M233 M272 M281 M320 M416 M620 M720 M903  
M904 N113 N309 N311 N315 N321 N362 N441 N514 N523

Markush Compounds

198839-A2201-P

Registry Numbers

3102R 1678D

Chemical Indexing M3 \*02\*

Fragmentation Code

A119 A313 A429 A430 A940 C108 C550 C730 C810 M411  
M730 M903 Q421

Registry Numbers

3102R 1678D

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1423S; 1520S ; 1532S ; 1544S ; 1549S

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1988-120892

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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